

~~SECRET~~

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 12-22-2008

3/30/66

Classified by 5663 ZDK  
Declassify on: OADP  
4/17/85

b1  
b6  
b7C

[Redacted]

[Redacted]

[Redacted]

INTERNAL SECURITY - ISRAEL (S) (U)

9-13-03 2003 90758  
CLASSIFIED BY AL 6026 BCL/mr  
DECLASSIFY ON: 20X6 AS PROVIDED

[Redacted]

(S) It is also noted that Zalman Shapiro is the subject of a pending Bureau Registration Act investigation, and a Bureau interview with him is contemplated for the near future.

(S) [Redacted]

Supervisor [Redacted] of the Nationalities Intelligence Section has been orally advised of the information furnished by [Redacted]

ACTION:

This memorandum is being directed to the Nationalities Intelligence Section.

JMF:kmgl (S)

- 1 - [Redacted]
- 1 - Yellow (97 - Zalman Shapiro)
- 1 - Liaison
- 1 - [Redacted]

117-2564-  
97-4979  
NOT RECORDED  
191 APR 13 1966

Class. & Ext. 91  
Reason - FCIM 1-2.4.2  
Date of Review 3-26-86  
4-9-80

APR 27 1966

~~SECRET~~

5010-10

~~CONFIDENTIAL~~

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE: 25X DeLoach \_\_\_\_\_

UNITED STATES GOVERNMENT

# Memorandum

TO

FROM

SUBJECT: DR. ZALMAN MORDECAI SHAPIRO  
NUCLEAR MATERIALS AND EQUIPMENT CORPORATION (NUMEC)  
APOLLO, PENNSYLVANIA  
ATOMIC ENERGY ACT

Classified by ~~SP-2~~  
Declassify on ~~OADR~~

In 1965 and 1966, we conducted investigation of Shapiro under the Registration Act character. In February, 1966, the Atomic Energy Commission (AEC) contacted the Bureau concerning the alleged loss of 61 kilograms of U-235 from NUMEC. AEC was interested in having the Bureau conduct an investigation. We declined to conduct the investigation since the information presented to us indicated the loss of the U-235 resulted from faulty administrative and recording practices at NUMEC.

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
EXCEPT WHERE SHOWN

**Class. & Ext. By**  
**Reason - FORM II**  
**Date of Review -**

**SJP:clb**  
**(5)**

CONTINUED - OVER

**FACT-47**

REC-100

3 MAR 13 1968

8/19/03

60290 BCE/mlt/776

AS AMENDED

51 MAR 20 1968

~~CONFIDENTIAL~~

b1

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b1

~~CONFIDENTIAL~~

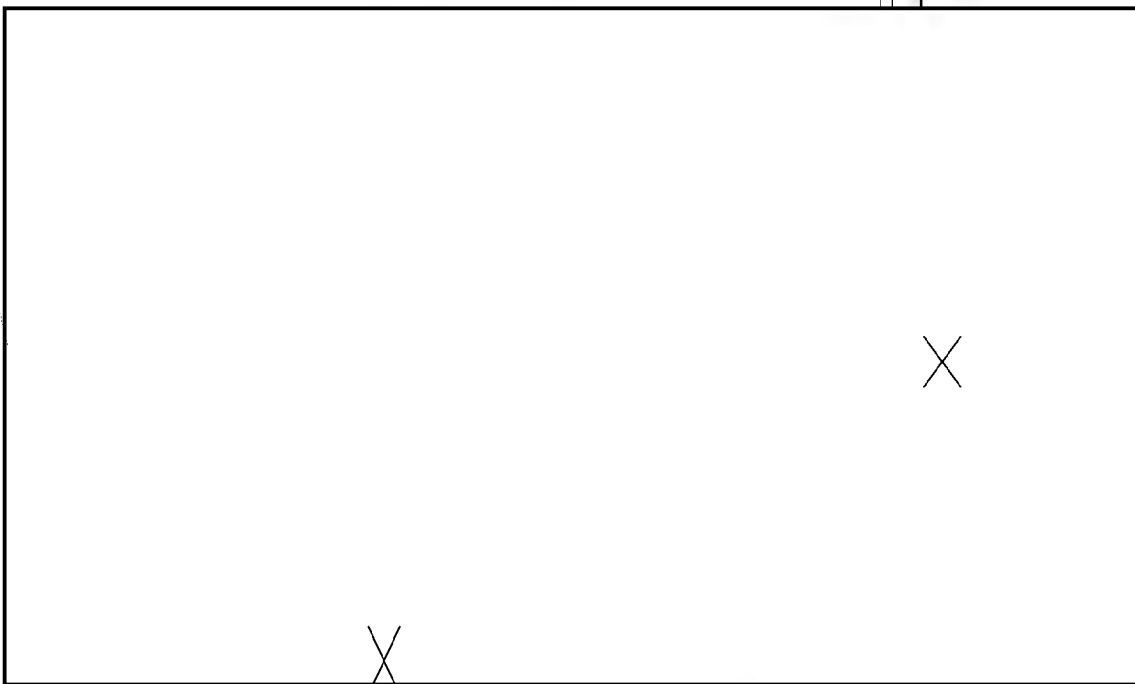
Memorandum

RE: DR. ZALMAN MORDECAI SHAPIRO  
NUCLEAR MATERIALS AND EQUIPMENT CORPORATION (NUMEC)

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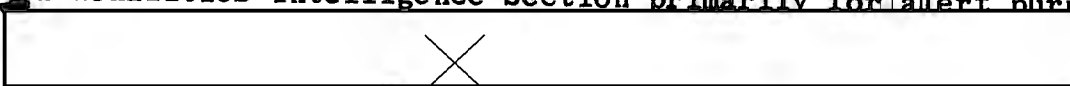
(C)



ACTION:

The above is being directed to the attention of the  
Nationalities Intelligence Section primarily for alert purposes

(C)



*Handwritten signature*

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

Tolson \_\_\_\_\_  
DeLoach \_\_\_\_\_  
Mohr \_\_\_\_\_  
Bishop \_\_\_\_\_  
Casper \_\_\_\_\_  
Callahan \_\_\_\_\_  
Conrad \_\_\_\_\_  
Felt \_\_\_\_\_  
Gale \_\_\_\_\_  
Rosen \_\_\_\_\_  
Sullivan \_\_\_\_\_  
Tavel \_\_\_\_\_  
Trotter \_\_\_\_\_  
Tele. Room \_\_\_\_\_  
Holmes \_\_\_\_\_  
Gandy \_\_\_\_\_

UNITED STATES GOVERNMENT

# Memorandum

TO : [REDACTED]

DATE: 3/12/68

FROM : [REDACTED]

1 - Liaison

1 - [REDACTED]

1 - [REDACTED]

SUBJECT: DR. ZALMAN MORDECAI SHAPIRO  
NUCLEAR MATERIALS AND EQUIPMENT CORPORATION (NUMEC)  
APOLLO, PENNSYLVANIA  
ATOMIC ENERGY ACT

Classified by 4-16-85  
Declassify on: OADR

(C) Reference is made to my memorandum dated  
February 28, 1968.

[REDACTED]

## ACTION:

For information. The above is being directed to  
the attention of the Nationalities Intelligence Section.

SJP:djf  
(6)

Class. & Ext. By SP-1 GSK/RB6  
Reason: E.O. 11652, 2  
Date of Review 3-12-82

~~CONFIDENTIAL~~

ALL INFORMATION CONTAINED  
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EXCEPT WHERE SHOWN  
OTHERWISE

UNITED STATES

MENT

~~SECRET~~

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

Memorandum

(C)

TO : Mr. W. C. Sullivan

FROM :

SUBJECT: DR. ZALMAN MORDECAI SHAPIRO  
NUCLEAR MATERIALS AND EQUIPMENT CORPORATION (NUMEC)  
APOLLO, PENNSYLVANIA  
ATOMIC ENERGY ACT

Mr. Tolson \_\_\_\_\_  
Mr. DeLoach \_\_\_\_\_  
Mr. Mohr \_\_\_\_\_  
Mr. Bishop \_\_\_\_\_  
Mr. Casper \_\_\_\_\_  
Mr. Callahan \_\_\_\_\_  
Mr. Conrad \_\_\_\_\_  
Mr. Felt \_\_\_\_\_  
Mr. Gale \_\_\_\_\_  
Mr. Rosen \_\_\_\_\_  
Mr. Sullivan \_\_\_\_\_  
Mr. Tavel \_\_\_\_\_  
Mr. Trotter \_\_\_\_\_  
Tele. Room \_\_\_\_\_  
Mr. Holmes \_\_\_\_\_  
Miss Gandy \_\_\_\_\_

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b7C

Classified by 6185 MKS  
Declassify on OADR

100-386758 8-19-03 AS AMENDED  
60290 BCE/MLJ/176

Class. & Ext. By SP-16SK/RB6  
Reason - FPM II, 1-2.2-2+3  
Date of Review 1-5-88  
49-82

The Nuclear Materials and Equipment Corporation of Apollo, Pennsylvania, is one of the principal processors of nuclear materials which includes U 235. In line with established procedures the Atomic Energy Commission (AEC) periodically makes physical inventories of all firms dealing with such materials. In the Spring of 1965 a quantity of U 235 was unaccounted for at the aforementioned firm.

Enclosure  
SJP:djf/clb (8)

- 1 - Mr. DeLoach
- 1 - Mr. Sullivan
- 1 - [redacted]
- 1 - [redacted]

- 1 - [redacted]
- 1 - Liaison
- 1 - [redacted]

CONTINUED - OVER

2 APR 11 1968

55 APR 17 1968

ENCLOSURE

~~SECRET~~

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b7C

~~SECRET~~

RE: DR. ZALMAN MORDECAI SHAPIRO  
NUCLEAR MATERIALS AND EQUIPMENT CORPORATION (NUMEC)


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(C)

(S)

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ACTION:

(S) If approved, no action will be taken by this  
Bureau pending the receipt of a communication from the  
Attorney General 

~~SECRET~~

~~CONFIDENTIAL~~  
~~SECRET~~  
~~CONFIDENTIAL~~

Date of Mail

5/6/68

Has been removed and placed in the Special File Room of Records Branch.

~~(S)~~ ~~(X)~~ (U)

~~#03R0758~~ ~~AVC60290 BCE/mlr#16~~  
~~9-15-03~~

Classified by ~~4-17-85~~  
Declassify on: ~~56685LD/K9~~  
OADR

See File 66-2554-7530 for authority.

*Dr. Zolner Mordecai*  
*Shapiro*

Subject

JUNE MAIL

Removed By

9-1-1968

File Number

117-2564-2

Class. & Ext. By ~~SP-1 GSK/RBG~~  
Reason - FCIM II, 1-2.4.2 ~~2.3~~  
Date of Review ~~5-6-81~~  
217,822

4-16-82

~~CONFIDENTIAL~~  
~~SECRET~~  
~~CONFIDENTIAL~~

~~SECRET~~  
~~CONFIDENTIAL~~Date of Mail 5/15/68

Has been removed and placed in the Special File Room of Records Branch.

~~#03R0758~~~~AUC 60290 BCE/mlt/H18~~~~9-15-03~~~~(S)(S)(A)(U)~~

See File 66-2554-7530 for authority.

*Mr. Zalman Mordchai  
Shapiro*Subject JUNE MAIL

99 MAY 31 1968

Class. & Ext. By SP-165K/RBG  
Reason - FCIM II, 1-2.4.2 213  
Date of Review 5-15-88  
217,822 4-16-82

Removed By \_\_\_\_\_

File Number 97-4979-22  
117-2564-3X1Classified by SP-8SUD Permanent Serial Charge Out  
Declassify on: OADR  
4-17-88~~SECRET~~ ~~CONFIDENTIAL~~

SAC, Pittsburgh (97-123)

6/6/68

REC- 73  
Director, FBI (117-2564)

1 -

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b7C

(U) DR. ZALMAN MORDECAI SHAPIRO  
~~IS - ISRAEL~~ (S)  
ATOMIC ENERGY ACT

~~#10320758 8-19-03~~  
~~CLASSIFIED BY 60296 BCE/MLT/JTG~~  
~~DECLASSIFY ON: 6~~  
AS AMENDED

RePGairtel and LHM, both dated 5/29/68. Note change in Bufile number. Recipients make this change in correspondence in their possession in this case.

For information, AEC has advised that Jack R. Newman, formerly Secretary - General Counsel of NUMEC is currently practicing in Washington, D. C., at 1100 Connecticut Avenue, N.W. This is being furnished on the premise that the office of origin may desire to have Newman interviewed at some later date in this investigation.

2 - New York (105-75538)  
2 - WFO (97-1799)

JFW:djf  
(8)

APPROPRIATE AGENCIES  
AND FIELD OFFICES  
ADVISED BY ROUTING  
SLIP (S) OF Class  
DATE 10/5/81 D.J.

~~367 VET/AG~~  
~~8/25/82~~  
~~5666-10/K8~~  
~~9-18-85~~

MAILED 4  
JUN 6 - 1968  
COMM-FBI

CLASS. & EXT.  
REL. BY SP7H Jm/alm  
DATE OF REVIEW 6/6/88  
Comp #204,151 7/15/81

Tolson \_\_\_\_\_  
DeLoach \_\_\_\_\_  
Mohr \_\_\_\_\_  
Bishop \_\_\_\_\_  
Cooper \_\_\_\_\_  
Callahan \_\_\_\_\_  
Conrad \_\_\_\_\_  
Felt \_\_\_\_\_  
Gale \_\_\_\_\_  
Rosen \_\_\_\_\_  
Sullivan \_\_\_\_\_  
Tavel \_\_\_\_\_  
Trotter \_\_\_\_\_  
Tele. Room \_\_\_\_\_  
Holmes \_\_\_\_\_  
Gandy \_\_\_\_\_

MAIL ROOM ☒ TELETYPE UNIT ☐

~~SECRET~~

OPTIONAL FORM NO. 10  
MAY 1962 EDITION  
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

# Memorandum

~~CONFIDENTIAL~~

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

TO : DIRECTOR, FBI (117-2564)

DATE: 6/13/68

FROM : SAC, WFO (97-1799) (P)

(U)  
DR. ZALMAN MORDECAI SHAPIRO  
IS - ISRAEL (S)  
ATOMIC ENERGY ACT  
(CC: PG)

Classified By *566 EAD/KD*  
Declassify on *OADR*

ReBullets 5/28/68 and 6/6/68.

In accordance with instructions in Buairtel 5/20/68, WFO has requested appropriate checks of the files of the Passport Office and Office of Security, USDS, [redacted]

[redacted] Those requests are still outstanding. Pertinent results will be reported upon receipt. Copies of an available passport photo of the subject are being made and will be forwarded to interested offices upon receipt of the same.

On 6/7/68, SA [redacted] made a preliminary, cursory review of files maintained by AEC, Germantown, Maryland, in the case involving NUMEC. These files are rather voluminous and contain the results of numerous security checks and efforts to have NUMEC tighten its security in accordance with AEC requirements as well as extensive reporting resulting from the investigation into the cumulative loss of enriched U 235 at NUMEC. SA [redacted] made contact with certain interested AEC personnel and was assured of complete access to AEC files.

With reference to the pending review of AEC files, the various individuals contacted during SA [redacted] 6/7/68 visit to AEC were unanimous in agreement that there probably

- 2 - Bureau
  - 2 - New York (105-75538) (RM)
  - 2 - Pittsburgh (97-123) (RM)
  - 1 - WFO
- ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
EXCEPT WHERE SHOWN  
OTHERWISE
- HHS:mac  
(7)

1 JUN 13 1968

Class. & Ext. By *SP-16SK/RB6*  
Reason - FCIM II, 1-2.4.2  
Date of Review *2/7/82*



5010-108

66 JUN 18 1968

~~SECRET~~

~~CONFIDENTIAL~~

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

~~SECRET~~

~~CONFIDENTIAL~~

~~SECRET~~

WFO 97-1799

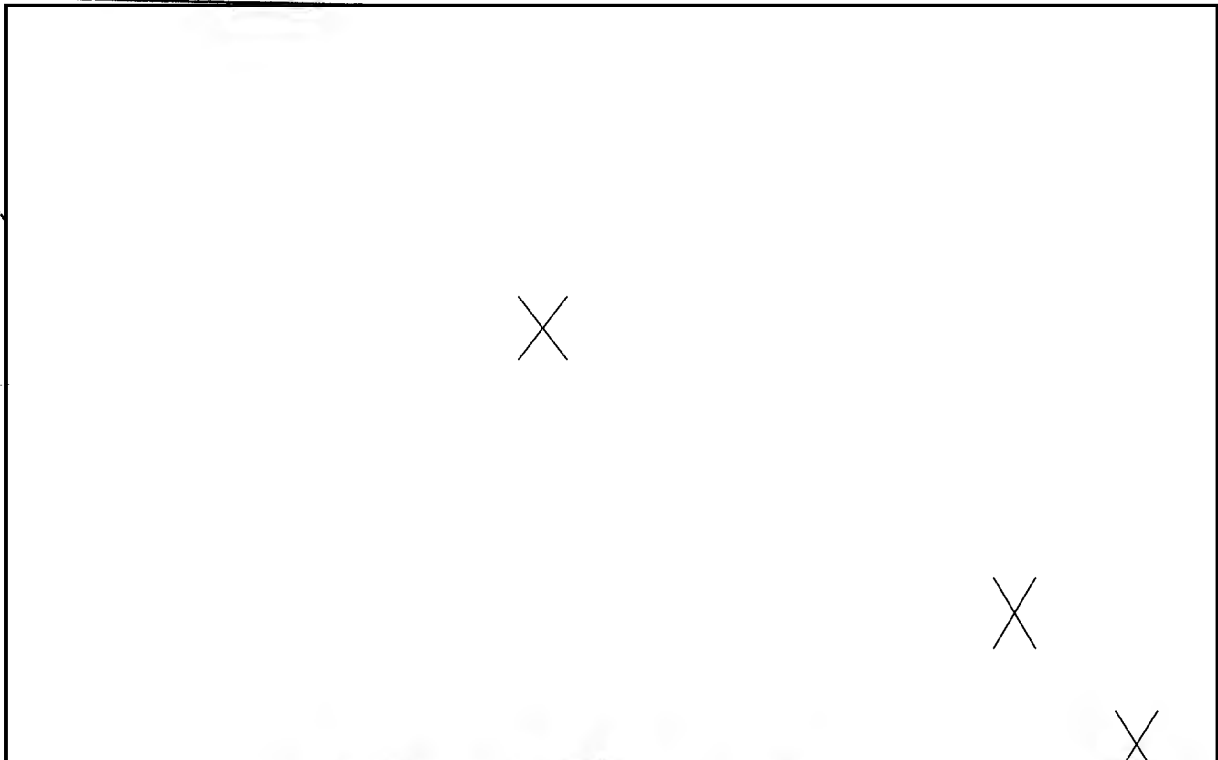
was nothing contained in the various reports referring to the subject's relationship with the Government of Israel since that never was the subject of AEC inquiry.

During the 6/7/68 contact at AEC, the name of [redacted] was provided by personnel in Security as an individual who might be worthy of a contact in this case at NUMEC. [redacted] was described as a former AEC employee who is now employed by NUMEC. One official speculated that in the case of [redacted] patriotism to country might well supersede loyalty to his employer.

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On 6/4/68, [redacted] Central Personnel Index, Division of Security, U. S. Atomic Energy Commission (AEC), Germantown, Maryland, advised SA [redacted] that the subject was granted a "Q" clearance by the Chicago Operations Office, AEC, in May, 1949, which was terminated in May, 1957. He currently has an active "Q" clearance as of May, 1958, with the New York Operations Office, AEC. The subject's file is located at the above office.

REQUEST OF THE BUREAU



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~~CONFIDENTIAL~~

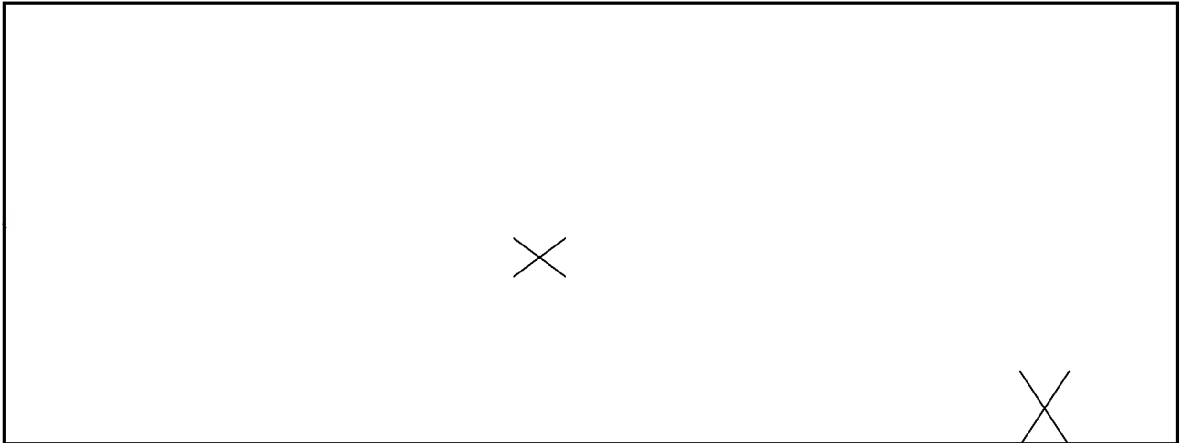
~~SECRET~~

~~SECRET~~

~~CONFIDENTIAL~~

WFO 97-1799

(C)



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LEADS:

NEW YORK

AT NEW YORK, NEW YORK

1. Will review the subject's AEC security file in possession of the New York Operations Office, AEC, for information pertinent to instant inquiry. (It should be noted that the subject's AEC file number may be WA 118492 (CH-2933)).

PITTSBURGH

AT PITTSBURGH, PENNSYLVANIA

1. Will, after developing sufficient background on [redacted] consider an approach to him in connection with this case. (WFO is in possession of a 116 case on [redacted] b6 b7c  
[redacted] Bufile 116-315171)).

~~CONFIDENTIAL~~

- 3 -

~~SECRET~~

UNITED STATES GOVERNMENT

# Memorandum

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

~~8-19-83~~  
~~6028082/104/216~~  
~~16~~  
~~AS AMENDED~~

TO : DIRECTOR, FBI (117-2564)

~~SECRET~~

DATE: 6/13/68

FROM : SAC, PITTSBURGH (97-123) (P)

SUBJECT: DR. ZALMAN MORDECAI SHAPIRO  
IS - ISRAEL; ~~(S)~~  
ATOMIC ENERGY ACT

(U)

Re Pittsburgh airtel to the Bureau, dated 5/29/68

Enclosed herewith for the Bureau are five copies of an LHM, dated and captioned as above. Two copies of LHM are being furnished to both New York and Washington Field Office.

Enclosed LHM is being classified "Secret" because unauthorized disclosure of this information reflecting an FBI investigation of subject could be detrimental to the national security interests of this Government. ~~(S)~~ (U)

[redacted] records concerning subject and NUMEC were checked [redacted]

[redacted] has been a confidential source of the Pittsburgh Office for approximately [redacted]. Complete security conditions existed during the review of these records by SA [redacted]. Pittsburgh is contemplating contact with other banks in the Pittsburgh area for the purpose of monitoring subject's bank accounts, but only at this point in the investigation through well-established sources.

Discreet and carefully planned fisurs of subject have disclosed that subject leaves his residence for Apollo, Pa., between 7:40 a.m. and 8:11 a.m. He generally drives a 1967 four-door, dark blue Buick Electra, bearing Pennsylvania license 22170H, but has on two occasions driven an approximate 1967 four-door bronze Ford sedan, bearing Pennsylvania license 22171H. He travels to his place of employment in Apollo, Pa., to date, nonstop, using the same route. He is known to generally travel at very high rate of speed.

- 2 - Bureau (Enc. 5) (RM) REC-44  
2 - New York (105-75538) (Enc. 2) (RM)  
2 - Washington Field (97-1709) (Enc. 2) (RM)  
3 - Pittsburgh  
DFW:sms 1 - 66-2953  
(9)

15 JUN 17 1968

NAT. SEC.

U.S. Savings Bonds Regularly on the Payroll Savings Plan

~~SECRET~~

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
EXCEPT WHERE SHOWN  
OTHERWISE

Class. & Ext. By SP/16SK/RBC  
Reason - FCIM II, 1-2.4.2  
Date of Review 6-13-88  
b2  
b6  
b7C  
b7D

Comp # 204 6/13/88  
7/16/88

~~SECRET~~

Although [redacted] an employee of [redacted] Pa., and a personal friend of SA [redacted] [redacted] has stated that he is willing to fully cooperate with the FBI on a strictly confidential basis, Pittsburgh is continuing its efforts to develop a source closer to the subject who will be familiar with subject's travel arrangements. This endeavor, however, must be cautiously handled and will of necessity take additional time. [redacted] however, is aware of FBI interest in subject's travel arrangements and will attempt to furnish such information to the FBI. [redacted] is currently making efforts to obtain the teletype writer subscriber number, [redacted] [redacted] and is also attempting to obtain a telephone directory of employees at NUMEC.

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[redacted] furnished the information contained in the LHM to SA [redacted]

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[redacted] furnished information to SA [redacted] on 11/20/63 and 10/20/63.

Dun and Bradstreet records, voters records, and credit records (1968) of Pittsburgh were checked by SE [redacted]

Credit records of Pittsburgh (1951) were checked by SE [redacted]

The SA who observed subject on 6/10/68 is SA [redacted]

Sources utilized in the LHM are identified as follows:

First source is [redacted] (by request)

PG 97-123-41

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Second source is [redacted]

PG 97-123-1A-10

[redacted] (by request)

(S) Third source is [redacted] (S)

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PG 97-123

~~SECRET~~

Fourth source is [redacted]

PG 97-123

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(S)(Y)(u)

[redacted] (by request)

LEADS

WASHINGTON FIELD

AT WASHINGTON, D. C.

1. Will check passport records, Passport Office, United States Department of State, concerning DAVID LOWENTHAL, 5721 Bartlett Street, Pittsburgh, Pa.

2. Will [redacted] and State Security Offices for available pertinent information concerning DAVID LOWENTHAL and obtain photograph.

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PITTSBURGH

AT PITTSBURGH, PA. (ALLEGHENY COUNTY)

Will follow and report subject's activities and will, by separate communication, set out additional leads in this matter.

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UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
Pittsburgh, Pennsylvania

June 13, 1968

EXEMPTED FROM AUTOMATIC  
DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

~~SECRET~~

In Reply, Please Refer to  
File No.

*8-1903*  
*60290 BCE/mlt/jlg*  
*#m03A0758*  
*AS AMENDED*

DR. ZALMAN MORDECAI SHAPIRO

(U)

Investigation was instituted at the request of the Attorney General to establish the nature and extent of Zalman Mordecai Shapiro's relationship with the Government of Israel. This could be connected with, or in addition to, or as a result of, his association with Israeli officials and sympathizers in the United States.

(U) ~~(S)~~ [On June 5, 1968, a source, contact with whom has been insufficient to judge the reliability of his information] but who is a businessman in a position to furnish information concerning the activities of the subject and who is described by his associates as being a reliable and respectable individual, advised that Zalman Mordecai Shapiro is the President of Nuclear Materials Corporation (NUMEC), of Apollo, Pa. Source advised that NUMEC, a producer of nuclear materials, and Raychord Corporation, a steel fabricating company, occupy the same building, which is located at Warren and North Seventh Avenues, Apollo, Pa. Source advised that NUMEC has at least five other locations in the Apollo area. The President of Raychord Corporation is David L. Lowenthal, a long-time close personal friend of subject. Source advised that Lowenthal is also an officer of Apollo Industries of Pittsburgh, Pa., a company which was instrumental in establishing NUMEC through investing a substantial amount of money in NUMEC stock. Source advised Lowenthal and subject are frequently observed together and generally have lunch together at a restaurant in Apollo where a number of employees from both Raychord and NUMEC eat. Source further added that Lowenthal and subject reside near each other in Pittsburgh, Pa.

~~SECRET~~

GROUP I  
Excluded from automatic  
downgrading and  
declassification

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OTHERWISE

This document contains neither recommendations nor conclusions of the FBI. It is the property of the FBI and is loaned to your agency; it and its contents are not to be distributed outside your agency.

Class. & Ext. *SP-1GSK/RB6*  
Reason - FCIM II, 1-2.4.2  
Date of Review *1-13-88*  
*217,822*  
*5-4-82*

ENCLOSURE ~~SECRET~~

*SP-4*  
*6/13/88*  
*2.3*  
*7/16/81*

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~~SECRET~~

DR. ZALMAN MORDECAI SHAPIRO

Source advised that [redacted] is closely associated with high-ranking officials of the Israeli Government and recently he observed photographs of [redacted] shaking hands with Ben-Gurion and Moishe Dayan in Israel. Source said [redacted] reportedly fought for Israel as a Freedom Fighter in 1956 and currently travels to Israel on the average of approximately once each month. Source advised he was not aware of the purpose of these trips to Israel and whether [redacted] is accompanied by anyone else.

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Source advised that [redacted]

he understood [redacted] Source advised that [redacted] receives regular reports concerning the activities in Israel, especially concerning military activities.

Source advised that he recalled that the employees of NUMEC went on a strike about three or four years ago, and at one time during the strike would not permit the company executives and other non-union employees to enter the plant. Source further stated that a former employee of NUMEC by the name of [redacted] who is currently employed at [redacted] informed him that while he was employed at NUMEC, he had been in charge of the vault, and just prior to the strike mentioned above, there was an unexplained fire in the vault which destroyed some of the "material" maintained there. Source said the "material" was not further identified.

On June 7, 1968, [redacted] Receptionist, Credit Bureau, Inc., 415 Smithfield Street, Pittsburgh, Pa., advised that her records show that [redacted]

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~~SECRET~~

DR. ZALMAN MORDECAI SHAPIRO

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[REDACTED]  
[REDACTED] She advised that her records further show that [REDACTED] maintains a satisfactory credit rating with that Bureau.

Records of the Voters Registration Bureau, County Office Building, Pittsburgh, Pa., as checked on June 7, 1968, disclosed that David Lowenthal has resided at 5721 Bartlett Street, Pittsburgh, Pa., since April, 1958; that he resided at 5517 Kamin Street, Pittsburgh, in September, 1954; and at 6223 Nickolson Street, Pittsburgh, as of September 16, 1950. Lowenthal was shown to be a white male; born September 14, 1921, in Poland; employed as a salesman; height, 5 feet 9 inches; eyes, brown; and hair, brown. He was naturalized on July 27, 1945, in the United States District Court, Pittsburgh, under Certificate Number 143042. *DAVID*

(4) ~~(S)~~ ~~(C)~~ On June 10, 1968, a second source, who has furnished reliable information in the past, furnished the following information regarding David Lowenthal, Chairman, Secretary, and General Manager of Raychord Corporation, Apollo, Pa.:

Lowenthal was born in 1921 and is married. He served with the United States Armed Forces during World War II and for a time thereafter was employed by the Columbus Pipe and Equipment Company, Columbus, Ohio. The Columbus Pipe and Equipment Company at one time was the parent company of Mount Vernon Bridge Company. In December, 1953, Lowenthal and one Morton Chatkin and others acquired control of Mount Vernon Bridge Company. Lowenthal remained with Mount Vernon Bridge Company in the capacity of Vice President until 1955, when he sold his interest, and thereafter acquired the Apollo Steel Plant at Apollo, Pa. During 1958, the Apollo Industries was established through the

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DR. ZALMAN MORDECAI SHAPIRO

merger of the San Toy Mining Company, American Nut and Bolt Fastener Company, and the Apollo Steel Company. Lowenthal became President and Treasurer of Apollo Industries. Lowenthal also is Vice President of Holden Fence and Steel Company, Inc., Charleston, W. Va. He was Secretary-Treasurer of Mount Vernon Sales Corporation, Pittsburgh, Pa., and was a principal-at-interest in Minute Parking, Inc., Pittsburgh, which has been inactive for several years.

(4) (X) (S) [On June 10, 1968, second source] furnished the following information concerning the Raychord Corporation, Post Office Box 307, Apollo, Pa.:

The Raychord Corporation was incorporated in Pennsylvania on May 17, 1962, and occupies a 420,000 square foot plant in Apollo, Pa. The business has 14 overhead cranes, plus other equipment necessary for fabricating open-steel hoists and other structural steel, which accounts for the majority of volume. To a lesser extent, Raychord manufactures sheet metal roof decks. Source advised that Apollo Industries, Inc., Pittsburgh, holds 45% minority interest in Raychord, and that a large portion of the balance of stock, although not necessarily a controlling interest, is held by Philip Sweig and Sons, Gary, Indiana. A minority interest is also held by Raymond Torres, at least on an option-to-buy basis, up to one-third of the capital stock. Source advised that the fiscal May 31, 1967, annual report of Apollo Industries indicated that they have made loans and advances to Raychord for \$2,640,304. Also, at that time, Apollo Industries held \$25,000 of outstanding common stock and \$350,000 of preferred stock in this company. (S) (u)

[Second source advised] that officers of Raychord include Irvin F. Levitt, Treasurer, who was born at Pittsburgh, Pa., during 1915. Levitt was President of Union Screw and Manufacturing Company, acquired in October, 1959, by Apollo Industries, Inc. Levitt is President of Investment Capital Corporation, Pittsburgh, and Board Chairman of Allegheny Cold Storage Company, Pittsburgh, Pa.

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DR. ZALMAN MORDECAI SHAPIRO

(u)(x) On May 24, 1968, second source furnished the identities of the following individuals who have or are currently serving as officers of NUMEC:

Leonard P. Pepkowitz  
Vice President

Oscar S. Gray  
Vice President

Meredith S. Johnson  
Controller and Assistant Treasurer

Frederick Forscher  
Former Vice President

Jack R. Newman  
Former Secretary-General Counsel

Leonard P. Pepkowitz

On May 27, 1968, [redacted] supra, b. APPROX. advised that her records reflect that Dr. Leonard P. Pepkowitz [redacted] reside at [redacted] New York, and have resided at that address since October, 1964. Pepkowitz commenced employment with NUMEC, Apollo, Pa., in 1959, and was transferred to their Model City Plant, Lewistown, New York, in 1964. He was born in 1919 and formerly resided at 2405 Saunder Station Road, Pitcairn, Pa. He maintains a satisfactory credit standing with that bureau.

Oscar Shalom Gray

On May 27, 1968, [redacted] supra, advised that her records reflect that Oscar S. Gray born in [redacted] and single, resides at [redacted]

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DR. ZALMAN MORDECAI SHAPIRO

Pittsburgh, Pa. He has been employed as Secretary and Treasurer of NUMEC, Apollo, Pa., since 1957. He was formerly employed by the United States Department of State, Washington, D. C., and resided at [redacted], Washington, D. C., for six years. He maintains a satisfactory credit standing with that bureau.

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On December 17, 1957, Oscar Shalom Gray executed a Personal Security Questionnaire (PSQ) for the Atomic Energy Commission, on which he listed his date and place of birth as [redacted]. He described himself as being 5 feet 8 inches, 152 pounds, brown eyes, and brown hair. He indicated that he had served with the United States Marines from 1945 to 1946, and that his father, Samuel Zangwill Gray, and his mother, Esther Malka Gray, were both born in Poland. He indicated that he has been employed by NUMEC, Apollo, Pa., since April 1, 1957.

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[On June 28, 1963, a third source, [redacted]]

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DR. ZALMAN MORDECAI SHAPIRO

According to the above third source,

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Further, according to the above third source,

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the third source advised

On November 20, 1963, Allan S. DeLand, Chief, Personnel Security Branch, Bettis Field, Atomic Energy Commission, West Mifflin Borough, Pa., advised that

[redacted] born [redacted] at [redacted]  
[redacted] is employed as [redacted]

[redacted] NUMEC, Apollo, Pa., and resides at [redacted]. DeLand advised that [redacted] has a "Q" clearance and has access to classified materials. According to DeLand, [redacted] was in the United States Navy from [redacted]; attended the United States Naval Academy in [redacted]; received a Bachelor of [redacted]

[redacted] was formerly employed by the [redacted] and prior to joining NUMEC at Apollo, Pa., in [redacted] he was engaged in private law practice in New Jersey. (S) (u)

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DR. ZALMAN MORDECAI SHAPIRO

On October 20, 1963, DeLand advised that Oscar Shalom Gray, born [redacted] at [redacted] is the Secretary-Treasurer of NUMEC at Apollo, Pa., and resides at [redacted] Pa. DeLand advised that Gray has access to classified material in connection with his position at NUMEC. Gray received a B.A. Degree from Yale College, New Haven, Connecticut, in 1948, and an L.L.B. Degree from Yale Law School in 1951. He was employed by the United States Department of State at Washington, D. C., from 1951 to 1957, when he joined NUMEC at Apollo, Pa.

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On December 12 and 16, 1963, Mr. Clement A. Palazzolo, Chief, Research Branch, United States Atomic Energy Commission (USAEC), made available the following information:

Records of the Division of Licensing and Regulation, USAEC, contained no information with respect to any shipment such as described above. However, a review of the Materials Branch, Division of International Affairs, USAEC, revealed that the above transaction had actually been accomplished under the United States - Israel Agreement for Cooperation, pursuant to Article III-B. Mr. Palazzolo further advised that the USAEC authorized the above-mentioned NUMEC firm to fabricate four Plutonium-Beryllium Neutron sources of five Curies each to be used by the Department of Nuclear Science, Israel Institute of Technology for experiments in the field of phase diagrams of Plutonium Salt Mixtures at Nahal Sarog, in Israel. (S) (u)

There were approximately 320 grams of Plutonium contained in the sources and the contract cost was \$12,600. The shipper's Export Declaration executed and returned to the USAEC revealed that Wolf and Gerber, Inc., 27 Williams Street, New York City, were the carrier's agent. The (S) (u)

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DR. ZALMAN MORDECAI SHAPIRO

UNCLASSIFIED  
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LETTER  
7/29/82  
SP-4 elu/alm  
11/25/83  
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shipment was accomplished on June 30, 1963, and delivery made to El Al Airlines (shipment weight 600 pounds). (S)(u)

Mr. Palazzolo further advised that the above agreement pertains only to unclassified material.



Meredith S. Johnson

On May 27, 1968, [redacted] supra, advised that her records reflect that Meredith S. Johnson and [redacted] reside at [redacted] Pa. He previously resided at [redacted] Pa., and was employed by the Lord Manufacturing Company. She said records indicated that Johnson maintained a satisfactory credit rating with that bureau.

Frederick Forscher

On May 27, 1968, [redacted] supra, advised that her records show that Frederick Forscher and [redacted] reside at [redacted] Pittsburgh, and have resided at this address since [redacted] Forscher has been employed as Vice President of NUMEC, Apollo, Pa., since 1957. He was born in [redacted] and maintains a satisfactory credit standing with that bureau.

On June 23, 1956, Frederick Forscher executed a PSQ for the Atomic Energy Commission, on which he listed his date and place of birth as [redacted] at [redacted]. He indicated that he was naturalized on [redacted] at [redacted] and [redacted] at Wilmington, Delaware, Petition Number [redacted] and [redacted].

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DR. ZALMAN MORDECAI SHAPIRO

Certificate Number [ ] He described himself as being 6 feet, 160 pounds, brown eyes, and brown hair. He indicated that he was employed from September, 1952, to that date by the Westinghouse Atomic Power Division, Pittsburgh, Pa., and resided, as of [ ] at [ ] Pittsburgh, Pa. He indicated that he had served with the United States Army from 1941 to 1946, under Serial Number [ ]

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Jack R. Newman

On May 27, 1968, [ ] supra, advised that her records reflect that Jack R. Newman and [ ] reside at [ ] Washington, D. C., and that he was employed by the Rizik Building, 1100 Connecticut Avenue, Washington, D. C. Records showed that he was born [ ] and was formerly employed by NUMEC, Apollo, Pa., at which time he resided at [ ] Pa.

(2)(9)(4)  
[On May 24, 1968, second source] furnished the identities of the following Directors of NUMEC:

Charles N. Berents  
Leon Falk, Jr.  
Dr. William Fondiller  
Dr. Frederick Forscher  
Oscar S. Gray  
Dr. Leonard P. Pepkowitz  
Philip H. Powers  
Benjamin H. Rosen  
Dr. Zalman M. Shapiro

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DR. ZALMAN MORDECAI SHAPIRO

Charles N. Berents

On May 27, 1968, [redacted] supra, advised that her records reflect that Charles N. Berents and [redacted] reside at [redacted] Pittsburgh, Pa. He was shown as having been born in [redacted] and is Vice President in Charge of Investments, J. H. Hillman and Sons Company, 1900 Grant Building, Pittsburgh, since 1960. He formerly resided at [redacted] Pittsburgh, Pa., and maintains a satisfactory credit rating with that bureau.

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Leon Falk, Jr.

On February 19, 1951, the following information concerning Leon Falk, Jr., was obtained from the Credit Bureau, Inc., 635 Smithfield Street, Pittsburgh, Pa.:

One credit report dated October 20, 1947, reflects that Falk was separated from his wife, Catherine, who resided at that time at 120 East 39th Street, New York, N. Y., and that on October 27, 1947, a suit in divorce was filed in the October Term of the Court of Common Pleas, Allegheny County, by Leon Falk. This report contends that during World War II, Falk lived at the Raleigh Hotel in Washington, D. C., where he was connected with the United States Government Board of Economic Warfare as Chief of the Vegetables, Fats, and Oils Section. The report continues that Falk is connected with the following in Allegheny County:

Director and Second Vice President of the  
Community Chest of Allegheny County  
Director and Vice President of Amalgamated  
Realty Company  
Director and Vice President of the Edgewater  
Steel Company

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DR. ZALMAN MORDECAI SHAPIRO

Director and Vice President of the Farmers  
Deposit National Bank  
Director and Chairman of the Board of the Falk  
Foundation  
Director and President of Midtown Motors, Inc.  
Director and President of the Reliance Life  
Insurance Company  
Trustee of the University of Pittsburgh  
Vice President of the Young Mens and Womens  
Hebrew Association  
Director and President of the Webster Hall  
Hotel, Pittsburgh, Pa.

A credit report dated February 11, 1949, reflects that Leon Falk is considered a millionaire; that he divorced his first wife in 1947 and married a sister of his first wife in 1948. In addition to the organizations listed previously, with which he was connected, this credit report reflects that Falk is Chairman of the Board of Falk and Company; that he is Director of the Allegheny Council of the Boy Scouts of America; and that he is listed in the Social Register.

On May 27, 1968, [redacted] supra, advised that her records reflect that Leon Falk, Jr., and wife, Loti, reside at Chatham Center, Apartment 20-A, Pittsburgh, Pa. Records show that he has been an Executive Committee member of National Steel, 3315 Grant Boulevard, Pittsburgh, Pa., since 1960, and has been Chairman of the Board, Maurice and Laura Falk Foundation, 3312 Grant Building, since 1930. She advised that Falk maintains a satisfactory credit rating with that bureau.

On November 9, 1959, Leon Falk, Jr., executed a PSQ for the Atomic Energy Commission, on which he listed his date and place of birth as September 23, 1901, at

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DR. ZALMAN MORDECAI SHAPIRO

Pittsburgh, Pa. He indicated that he was a Director of NUMEC, Apollo, Pa., since 1959, and was also a Director of Pennsylvania Industrial Chemical Corporation, Clairton, Pa., since 1947. He described himself as being 5 feet 10½ inches, 170 pounds, hazel eyes, and gray-brown hair. He indicated that he has resided at 718 Devenshire Street, Pittsburgh, Pa., since 1949.

William Fondiller

On May 27, 1968, [redacted] supra, advised that her records contain no information concerning William Fondiller.

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Philip H. Powers

On May 27, 1968, [redacted] supra, advised that her records contain no identifiable information concerning Philip H. Powers.

During 1952, one Philip Henry Powers executed a PSQ for the Atomic Energy Commission, on which he listed his date and place of birth as May 7, 1893, at Berryville, Virginia. He described himself as being 5 feet 10½ inches, 165 pounds, blue eyes, and brown hair. He was shown to be residing at 5808 Northumberland Street, Pittsburgh, Pa., and employed at the West Penn Power Company, Pittsburgh, since 1928.

Benjamin H. Rosen

On May 27, 1968, [redacted] supra, advised that her records reflect that Benjamin H. Rosen and wife, Bertha, resided at 5048 Fifth Avenue, Pittsburgh, Pa. Records show he was born during 1907 and has been a self-employed attorney since 1931. He maintains a satisfactory credit rating with that bureau.

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DR. ZALMAN MORDECAI SHAPIRO

(u) ~~X~~ [On May 31, 1968, a fourth source, who has furnished reliable information in the past, furnished the following information: ~~AS~~]

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DR. ZALMAN MORDECAI SHAPIRO

(u) (s) The following description of Dr. Zalman Shapiro was obtained [from first source and] through observation by a Special Agent of the FBI on June 10, 1968:

Name	Zalman Mordecai Shapiro
Sex	Male
Race	White
Age	48
Height	5 feet 9 inches
Weight	180 pounds
Nose	Thin and long
Hair	Brown, greying at the temples
Complexion	Medium
Characteristics	Wears glasses

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DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1)  
DATE 09-11-2008

Tolson \_\_\_\_\_  
DeLoach \_\_\_\_\_  
Mohr \_\_\_\_\_  
Bishop \_\_\_\_\_  
Casper \_\_\_\_\_  
Callahan \_\_\_\_\_  
Conrad \_\_\_\_\_  
Felt \_\_\_\_\_  
Gale \_\_\_\_\_  
Rosen \_\_\_\_\_  
Sullivan \_\_\_\_\_  
Tavel \_\_\_\_\_  
Trotter \_\_\_\_\_  
Tele. Room \_\_\_\_\_  
Holmes \_\_\_\_\_  
Gandy \_\_\_\_\_

UNITED STATES GOVERNMENT

# Memorandum

TO :

[Redacted]

DATE: May 24, 1968

FROM :

[Redacted]

SUBJECT: DR. ZALMAN MORDECAI SHAPIRO  
(U) INTERNAL SECURITY - ISRAEL  
ATOMIC ENERGY ACT

REC 16

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[Redacted]

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## ACTION:

The above information and enclosure are being directed to the attention of the Nationalities Intelligence Section.

## Enclosure

- 1 - [Redacted]
- 1 - Liaison
- 1 - [Redacted]

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Classified By 5068540/20  
Declassify on: OADR  
4-19-85

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
EXCEPT WHERE SHOWN  
OTHERWISE

REC 16

117-2564-13

Class. & Ext. By SP-1 GSK/RB6  
Reason - FCIM II, 2.4.2  
Date of Review 24-11-83

MAY 28 1968

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[15 May 1968] ~~(S)~~

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DECLASSIFICATION  
AUTHORITY DERIVED FROM:  
FBI AUTOMATIC DECLASSIFICATION GUIDE  
EXEMPTION CODE 25X(1,6)  
DATE 09-25-2008

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DATE 11-20-03 BY 60290 BCF/ml/ATG~~

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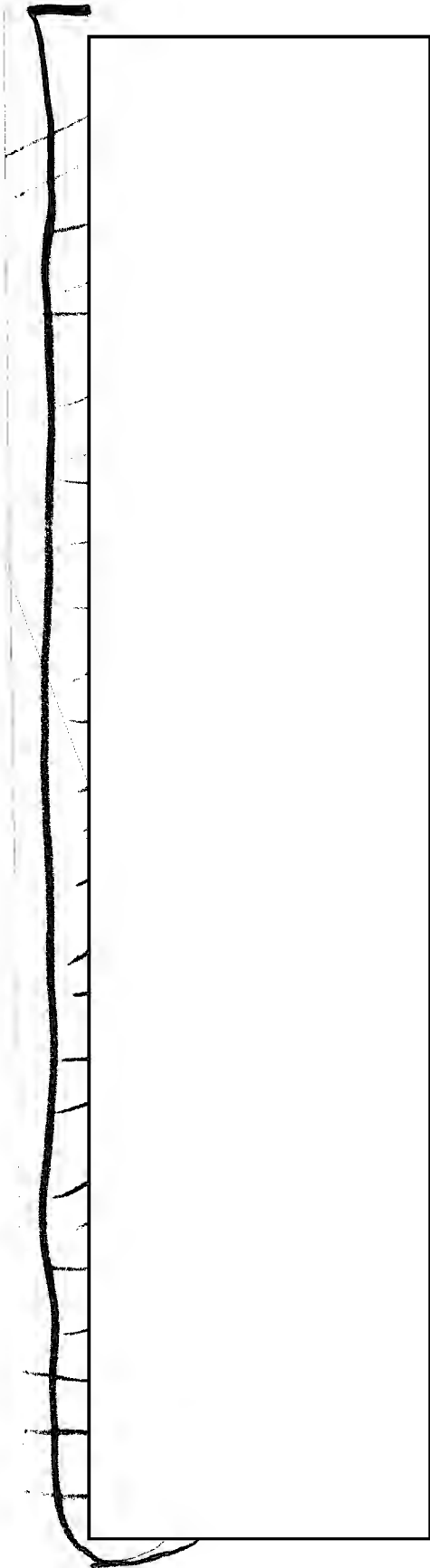
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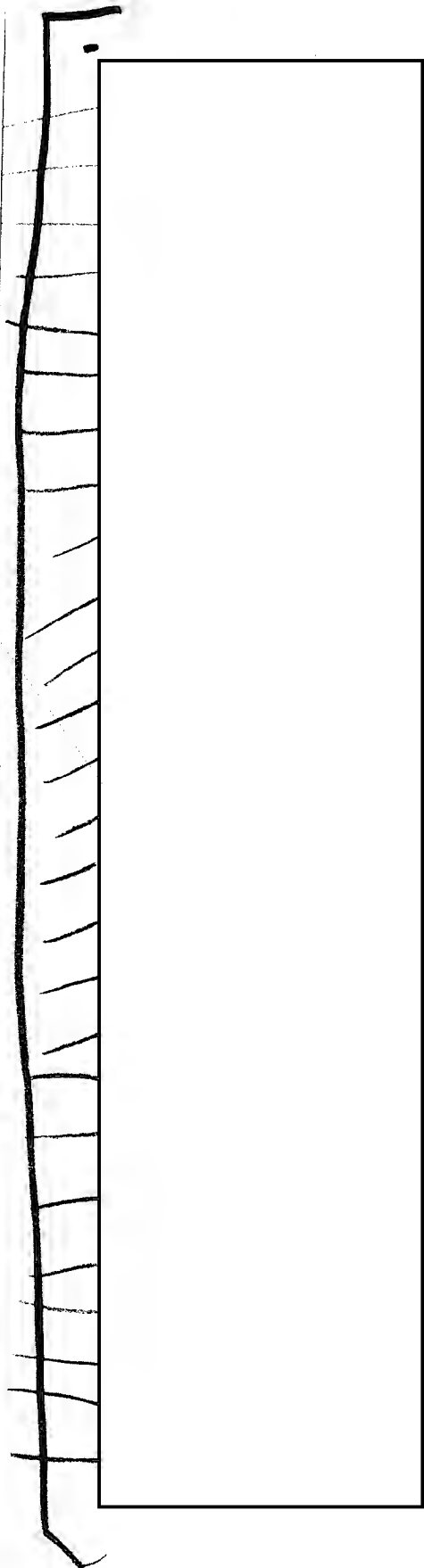
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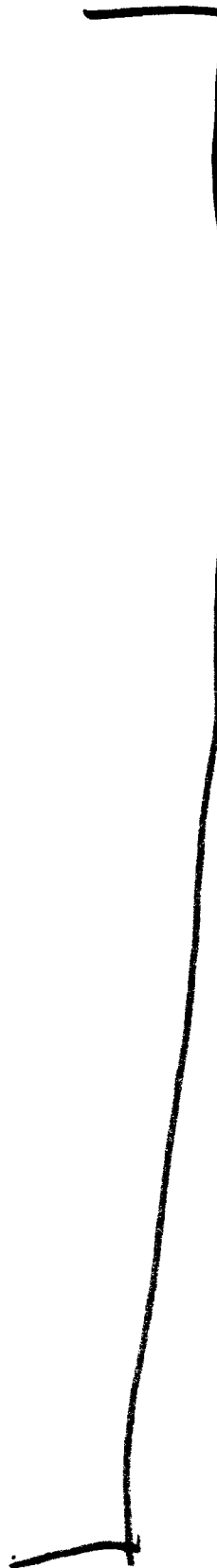
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FEDERAL BUREAU OF INVESTIGATION  
FOIPA  
DELETED PAGE INFORMATION SHEET

No Duplication Fees are charged for Deleted Page Information Sheet(s).

Total Deleted Page(s) ~ 3

Page 150 ~ b6, b7C, b7D

Page 151 ~ b6, b7C, b7D

Page 152 ~ b6, b7C, b7D